



SEQUENCE LISTING

<110> Ota, Toshio
Nishikawa, Tetsuo
Salamov, Asaf
Isogai, Takao

<120> METHOD FOR SCREENING FULL-LENGTH cDNA
CLONES

<130> 06501-058001

<140> 09/529,962
<141> 2000-04-20

<150> JP 9/289982
<151> 1997-10-22

<150> PCT/JP98/04772
<151> 1998-10-21

<160> 18

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 30
<212> RNA
<213> Artificial Sequence

<220>
<223> Oligo-capping linker sequence

<400> 1
agcaucgagu cgccuuguu ggccuacugg 30

<210> 2
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligo(dT) adapter primer sequence

<400> 2
gcggctgaag acggcctatg tggccttttt tttttttttt tt 42

<210> 3
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Random adapter primer sequence

<221> misc_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 3

gcggctgaag acggcctatg tggccnnnnn nc

32

<210> 4

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(880)

<223> n = A,T,C or G

<400> 4

atgcgcccgc ggggcctat agggcctcc tccgcccgc gcccgaggc cgcagccgc 60
gccgccactg ccactcccgc tctctcagcg ccgcccgtcg caccgccacc gccactgcc 120
ctaccaccgt ctgagctcgc agtcccagga tcccagccat catgtccata gagaagatct 180
gggcccggga gatcctggac tcccgoggga accccacagt ggaggtggat ctctatactg 240
ccaaaggtcc ttccggggtc gcagtgccca gtggagcctc tacgggcatc tatgaggccc 300
tggagctgag ggatggagac aaacagcgtt acttaggcaa aggtgtcctg aaggcagtgg 360
accacatcaa ctccaccatc gcgccagccc tcatcagctc aggtctctct gtggtggagc 420
aagagaaaact ggacaacctg atgctggagt tggatgggac tgagaacaaa tccaagtttg 480
gggccaatcc atcctgggtg tgtctctggc cgtgtgtaag gcangggcaa ctgaacngga 540
actgcccctg tatcgccaca ttgctcagct tggncgggaa ctcanacctc atcctgcttg 600
ttgccggcct tcaacgtgat caatggttgg cttctcatgc ctggcaacaa anctggccat 660
tgcnngaatt ttcatgatcc tccccttggg gaaactgaaa aactttccgg aatgccctc 720
caactaagtt gcaaaaggtc taccnatacc ccccaagggg aattcctcca agggaacaaa 780
tncccgggaa aggaatgcc cccaattntt ngggggaata aaaggtgggc ttgcccccc 840
cattttcctg gaaaaaacna tnaaaacctt tgggaaactt 880

<210> 5

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 5

tgtgcgttac ttacctenac tcttagcttg tccgggacgg taaccgggac ccggtgtctg 60
ctcctgtcgc cttcgctccc taatccctag ccactatgcg tgagtgcac tccatccacg 120
ttggccaggc tgggtgtccan attggcaatg cctgctggga gctctactgc ctggaacacg 180
gcattccagc cgatggccag atgccaaagt acaagaccat tgggggagga gatgactcct 240
tcaacacctt cttcagttag acgggcgctg gcaanacagt gcccggggt gtgtttgtag 300
acttgaacc cacagtcatt gatgaagttc gcaactggac ctaccgccag ctcttccacc 360
ctgagcagct catcncaggc aagggaagat ctgccaataa ctatgcccga gggcactaca 420
ccattggcaa ggagatcatt gaccttgtgt tggaccgaat tcgcaagctg gctgaccant 480
gcaccggtct tcanggcttc ttggttttcc acagcttttg tgggggaact ggttctgggt 540
tcacctccct gctcatggaa cgtctctcag ttgattatgg caagaaatcc aagctggagt 600
tctccattta ccagcaccc cnggtttccn cngctgtant tngaa 645

<210> 6

<211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(820)
 <223> n = A,T,C or G

<400> 6
 ctttttttcgc aacggggtttg ccgccagaac acaggtgtcg tgaaaactac ccctaaaagc 60
 caaaatggga aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg 120
 caagtccacc actactggcc atctgatcta taaatgcggt ggcacgcaca aaagaacccat 180
 tgaaaaattt gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt 240
 cttggataaa ctgaaagctg agcgtgaacg tggatcacc attgatattc ccttgtggaa 300
 atttgagacc agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat 360
 caaaaacatg attacaggga catctcaggc tgactgtgct gtcctgattg ttgctgctgg 420
 tgttggtgaa tttgaagctg gtatctccaa gaatgggcag acccgagagc atgcccttct 480
 ggcttacaca ctgggtgtga aacaactaat tgtcgggtgt aacaaaatgg attcactgan 540
 ccaccctaca gccagaagaa atatgangaa attgttaagg aagtcagcac ttacattaag 600
 aaaattggct acaaccccgga cacagtanca tttgtgccaa tttctgggtg gaatggtgac 660
 aacatgctgg aaccaantgc taacatgcct tggttccagg gatggaaaat ccccnttaa 720
 ggatggcnat gccattggaa ccccccctgt tgaaggctct ggantgcac ctanaccaa 780
 ctcttcaaa ttgaaaaacc ccttgcnccc gctccncca 820

<210> 7
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(788)
 <223> n = A,T,C or G

<400> 7
 gaggtgagg cagtggctcc ttgcacagca gctgcacgcg ccgtggctcc ggatctcttc 60
 gtctttgcag cgtagcccgga gtcggtcagc gccggaggac ctcagcagcc atgtcgaagc 120
 cccatagtga agccgggact gccttcattc agaccagca gctgcacgca gccatggctg 180
 acacattcct ggagcacatg tgccgcctgg acattgattc accaccatc acagcccgga 240
 aactggcat catctgtacc attggcccag cttcccgatc agtggagacg ttgaaggaga 300
 tgattaagtc tggaatgaat gtggctcgtc tgaacttctc tcatggaact catgagtacc 360
 atgcggagac catcaagaat gtgcgcacag ccacggaaaag ctttgcttct gaccccatcc 420
 tctaccggcc cgttgctgtg gctctagaca ctaaaggacc tgagatccga actgggctca 480
 tcaagggcag cggcactgca gaggtggagc tgaagaatgg agccactctc aaaatcacgc 540
 tggataatgc ctacatggaa aagtgtgacg agaacatcct gtggctggac tacaagaaca 600
 tctgcaaggt ggtggaagtg ggcaacaaga tctacgtgga tgatgggctn atttctctcc 660
 aggtgaacac aaaggtgccg acttcctggg tgaacngant ggaaaatggt ggctccttgg 720
 gcncaagaaa ggtgtgaact tctgggggct gctgtggant tgctgctgt gtcnagaaaa 780
 gacatcca 788

<210> 8
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 8
 acagcctggc tcctttgagt atgaatatgc catgcgctgg aaggcactca ttgagatgga 60
 gaagcagcag caggaccaag tggaccgcaa catcaggag gctcgtgaga agctggagat 120
 ggagatggaa gctgcacgcc atgagcacca ggtcatgcta atgagacagg atttgatgag 180
 gcgccaagaa gaacttcgga ggatggaaga gctgcacaac caagangtgc aaaaacgaaa 240
 gcaactggag ctccaggcagg aggaanagcg caggcgccgt gaagaanaga tgcggcggca 300
 gcaagaagaa atgatgcggc gacngcagga aggattcaag ggaaccttcc ctgatgagag 360
 agagcaggag attcggatgg gtengatggc tatgggaggt gctatgggca taaacnacag 420
 atgtgccatg cccctgctc ctgtgccagc tggtaaccca gctcctccag gacctgccac 480
 tattatgccg gatggaactt tgggattgac cccacnacaa actgaacgct ttggtcnggc 540
 tgctacnatg gaangaattg gggcaattgg tggaaactcct cctgcattcn accgtgcagc 600
 tcctggga 608

<210> 9
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

<400> 9
 acagcctggc tcctttgagt atgaatatgc catgcgctgg aaggcactca ttgagatgga 60
 gaagcagcag caggaccaag tggaccgcaa catcaggag gctcgtgaga agctggagat 120
 ggagatggaa gctgcacgcc atgagcacca ggtcatgcta atgagacagg atttgatgag 180
 gcgccaagaa gaacttcgga ggatggaaga gctgcacaac caagangtgc aaaaacgaaa 240
 gcaactggag ctccaggcagg aggaanagcg caggcgccgt gaagaanaga tgcggcggca 300
 gcaagaagaa atgatgcggc gacngcagga aggattcaag ggaaccttcc ctgatgagag 360
 agagcaggag attcggatgg gtengatggc tatgggaggt gctatgggca taaacnacag 420
 atgtgccatg cccctgctc ctgtgccagc tggtaaccca gctcctccag gacctgccac 480
 tattatgccg gatggaactt tgggattgac cccacnacaa actgaacgct ttggtcnggc 540
 tgctacnatg gaangaattg gggcaattgg tggaaactcct cctgcattcn accgtgcagc 600
 tcctggga 608

<210> 10
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(813)
 <223> n = A,T,C or G

<400> 10
 gttgtggtat ctgtattaag aaatgccctt ttggcgctt atcaattgtc aatctaccaa 60
 gcaacttgga aaaagaaacc acacatcgat attgtgocaa tgccttcaaa cttcacaggt 120
 tgcctatccc tcgtccaggt gaagtttttg gattagttgg aactaatggt attggaaagt 180
 caactgcttt aaaaatttta gcaggaaaac aaaagccaaa ccttggaaaag tacgatgatc 240
 ctctgactg gcaggagatt ttgaattatt tccgtggatc tgaattacaa aattacttta 300
 caaagattct agaagatgac ctaaaagcca tcatcaaac tcaatatgta gaccagattc 360

ctaaggctgc	aaaggggaca	gtgggatcta	ttttggaccg	aaaagatgaa	acaaagacac	420
aggcaattgt	atgtcagcag	cttgatttaa	cccacctaaa	agaacgaaat	gttgaagatc	480
tttcaggagg	agagttgcag	agatttgctt	gtgctgtcgt	ttgcatacag	aaagctgata	540
ttttcatggt	tgatgagcct	tctagttacc	tagatgtcaa	gcagcgttta	aaggctgcta	600
ttactatacg	atctctaata	aatccagata	gatatatcat	tgtggtggaa	catgatctaa	660
gtgtattaga	ctatctctcc	gacttcatct	gctgtttata	tgggtgtacca	agcgcctatg	720
gaattgtcac	tatgcctttt	agtgttagaa	aaggcataaa	cnttttttgg	atgggtatgt	780
tccaacagaa	aacttganaa	tcnnaaatgc	ntc			813

<210> 11
 <211> 655
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

<400> 11

agactctcac	cgcagcggcc	aggaacgcc	gccgttcacg	cgttcgggtcc	tccttggctg	60
actcaccgcc	ctogccgccg	caccatggac	gccccaggc	aggtgggtcaa	ctttgggcct	120
gggtcccgcca	agctgccgca	ctcagtgttg	ttagagatac	aaaaggaatt	attagactac	180
aaaggagttg	gcattagtgt	tcttgaaatg	agtcacaggt	catcagattt	tgccaagatt	240
attaacaata	cagagaatct	tgtgcgggaa	ttgctagctg	ttccagacaa	ctataagggtg	300
atTTTTctgc	aaggaggtgg	gtgcgggccg	ttcagtgtctg	tccccttaaa	cctcattggc	360
ttgaaagcag	gaagggtgtgc	ggactatgtg	gtgacaggag	cttgggtcagc	taaggccgca	420
gaagaagcca	agaagtttgg	gactataaat	atcggttcacc	ctaaacttgg	gagttataca	480
aaaattccag	atccaagcac	ctggaacctc	aaccanatg	cctcctacgt	gttttattgc	540
ncaaatgaaa	cgggtgcatgg	tgttganttt	gacttttatac	ccnatgtcaa	gggaacanta	600
ctggtttgtg	acattttcct	ccaacttcct	gtccaancca	attgnatggt	tccea	655

<210> 12
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

<400> 12

aaagatgcgc	aggcgccgtg	tggcactcgg	cggtcgaaaag	gggagttcaa	ggagacgggg	60
gcgacgcggc	tgagggcttc	tcgtcgggggt	cggggctgca	gccgtcatgc	cggggatagt	120
ggagctgccc	actctagagg	agctgaaagt	agatgaggtg	aaaattagtt	ctgctgtgct	180
taaagctgcg	gcccactcact	atggagctca	atgtgataag	cccaacaagg	aatttatgct	240
ctgcccgttg	gaanagaaaag	atccgaggcg	gtgcttagag	gaaggcaaac	tggtcaacaa	300
gtgtgctttg	gacttcttta	ggcagataaa	acgtcactgt	gcagagcctt	ttacagaata	360
ttggacttgc	attgattata	ctggccagca	gttatttctg	cactgtcgca	aacagcaggc	420
aaagtttgac	nagtgtgtgc	tggacaaaact	gggctgggtg	cggcctgacc	tgggaaaact	480
gtcaaaggtc	accaaagtga	aaacagatcn	acctttaccg	ganaatccct	atcactcaag	540
aacaagaacg	gatcccagcc	ctganatcna	aggaaatctg	cancctgcc	cacatggca	599

<210> 13
 <211> 597
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(597)

<223> n = A,T,C or G

<400> 13

atatccggag	tagacggagc	cgcagtagac	ggatccgcgg	ctgcacaaaa	cactgcccct	60
cggagcctgg	tagtggggcca	caagccccca	gtcccagagg	cgtgattttc	tggcatcctt	120
aaatcttggtg	tcaaggattg	gttataatat	aaccagaaac	catgacggcg	gctgagaacg	180
tatgctacac	gttaattaac	gtgccaatgg	attcagaacc	accatctgaa	attagcttaa	240
aaaatgatct	agaaaaagga	gatgtaaagt	caaagactga	agctttgaag	aaagtaatca	300
ttatgattct	gaatgggtgaa	aaacttcctg	gactttctgat	gaccatcatt	cgttttgtgc	360
tacctcttca	ggatcacact	atcaagaaat	tactttctggt	attttgaggag	attgttccta	420
aaacaactcc	agatggggaga	ctttttacatg	agatgatcct	tgtatgtgat	gcatacagaa	480
aggatcttca	acatcctaata	gaattttatc	naaggatcta	ctcttcgttt	tctttgcaaa	540
ttgaaanaaa	canaattgct	aaaaccttta	atgccancta	tnoctgcatt	tttgga	597

<210> 14

<211> 634

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

<400> 14

agactctcac	cgcagcggcc	aggaacgcc	gccgttcacg	cggttcgggtcc	tccttggtctg	60
actcacggcc	ctcgccggcg	caccatggac	gccccaggcc	aggtgggtcaa	ctttgggcct	120
gggtcccgcca	agctgcgcga	ctcagtggtg	ttagagatac	aaaaggaatt	attagactac	180
aaagganttg	gcattagtgt	tcttgaaatg	agtcacaggt	catcagattt	tgccaagatt	240
attaacaata	cagagaatct	tgtgcgggaa	ttgctagctg	ttccagacaa	ctataagggtg	300
atTTTTctgc	aaggaggtgg	gtgcggccag	ttcagtgctg	tcccccttaa	cctcattggc	360
ttgaaagcag	gaangtgtgc	ggactatgtg	gtgacaggag	cttggtcagc	taaggccgca	420
naanaagcca	agaanttttg	gactataaat	atcggttcacc	ctaaacttgg	gagttataca	480
aaaattccag	atccaagcac	ctggaacctc	aaccagatg	cctcctacgt	gtattattgc	540
gcnaatgaaa	cngtgcattg	tgtggantct	gactttatac	ccgatgtcna	gggaacatac	600
tggtttgtga	catgtcctca	aacttcccgt	ccna			634

<210> 15

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 15

agtctgcggt	gggctancgg	acgggtccggc	ttccggcgcc	cgttttctgtc	tcttgctggc	60
tgtctcgctg	aatcgcgcc	gccttctcat	cgctcctgga	aggtcccag	cgcgacacca	120
tgtcggaacc	cggggcgcc	ggcggcgaag	acngctcgcc	cggattggaa	gtgtcgccg	180
tgcanaatgt	ggcgacgtg	tcggtgctgc	anaagcacct	gcgcaagctg	gtgccgctgc	240

tgctggagga	cggcggcgaa	gcgcccgcg	cgctggaggc	ggcgctggag	gagaagagcg	300
ccttgagca	gatgcgcaag	ttcctttcgg	accgcacgt	ccacacggtg	ctggtggagc	360
gctccacgt	caaagtggac	gtcggatgat	aaggagaaga	agaaaaagaa	ttcatttcct	420
ataacatcaa	cntagacatt	cactatgggg	ttaaatccaa	tagcttggca	ttcattaaac	480
gtactcccgt	gattgatgca	gataaacccg	tgtctttctca	ntccggggtc	cttacactca	540
gtgaanactc	nccctacnaa	aactttgcat	tctttcatta	acaatgcagt	ggctcctttt	600
tttaantcct	acattaaaaa	atctggcaag	gcaaacaggg	atggtgataa	aatggctcct	660
tccnttgaaa	aaaaaattgc	cgaactcnaa	atnggactcc	ttcccttgca	ncaaaatttt	720
tgaaattccg	gaaaatcanc	ctgcccaatt	cctcccc			757

<210> 16
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

atcatttcct	tatttatatt	tcatgttgga	atgcttaa	cgataacctt	tgtattttga	60
agtgcgcgac	atggaaggtg	atctgcaaga	gctgcatcag	tcaaacaccg	ggggataaat	120
ctggattttg	gttccggcgt	caaggtgaag	ataataccta	aagaggaaca	ctgtaaaatg	180
ccagaagcag	gtgaanagca	accacaagtt	taaatgaaga	caagctgaaa	caacgcaagc	240
tggttttata	ttagatattt	gactttaaact	atctcaataa	agttttgcag	ctttcaccac	300

<210> 17
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(313)
 <223> n = A,T,C or G

aaagatggcg	gcgggggagg	taggcagagc	aggacgcgcg	tgctgccgcc	gccaccgcgc	60
cctccgctcc	agtcgcctcc	ggtccttcaa	actcacacct	cccgggagga	gctgtcctgg	120
cgccgggtcc	cgccgggaaa	atggtggagc	cagggcaaga	tttactgctt	gctgctttga	180
gtgagagtgg	aattagtccg	aatgactctt	tgatattgat	ggtggagatg	canggcttgc	240
aactccaatg	cctaccccg	cagttcagca	ntcagtgcca	cttantgcat	tanaactang	300
tttgagagacc	gaa					313

<210> 18
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(667)
 <223> n = A,T,C or G

actgccgggc	tcggcgtgag	tcgctgcggg	gctgacgggg	tggcagtgcg	gcgggttacg	60
------------	------------	------------	------------	------------	------------	----

gcctgggtcag	accataatga	cttcagcaaa	taaagcaatc	gaattacaac	tacaagtga	120
acaaaatgca	gaagaattac	aagactttat	gcgggattta	gaaaactggg	aaaaagacat	180
taaacaaaag	gatatggaac	taagaagaca	gaatgggtgtt	cctgaagaga	atttacctcc	240
tattcgaaat	gggaatttta	ggaaaaagaa	gaaaggcaaa	gctaaagagt	cttcccaaaa	300
accanagagg	aaaacacnaa	aaacaggata	aatcttatg	attatgangc	atgggcaaaa	360
cttgatgtgg	accgtatcct	tgatgagctt	gacaaagacg	atagtacca	tgagtctctg	420
tctcaagaat	cagagtcgga	agaagatggg	attcatgttg	attcncnaaa	ggctcttggt	480
ttaaaagaaa	agggcnataa	atacttcac	aaggaaaata	tgatgaagca	attgactgct	540
acacnaaagg	cntggatgcc	gatccatain	atcccgtgtt	gccaacgaac	anaacntccg	600
catattttag	actgaaaaaa	tttgctgttg	ctgaatctga	ttgttattta	ncanttgctt	660
tgaaata						667

Al
BWA
